

Claim Listing

1-11 (Cancelled)

12. (New) A curvilinear delivery track in combination with a plurality of threshold adjustment devices, comprising:

said threshold adjustment devices residing adjacently to each other in and engaging said curvilinear delivery track;

said curvilinear delivery track includes: a generally vertically oriented slot therethrough; said first generally vertically oriented slot having a first width; a first generally horizontal slot therethrough and a second generally horizontal slot therethrough; said first generally horizontal slot traverses said generally vertically oriented slot forming a nut guide having a nut guide height; said second generally horizontally oriented slot traverses said generally vertically oriented slot forming a head guide having a head guide height; said nut guide height of said first generally horizontally oriented slot being greater than said head guide height of said second generally horizontally oriented slot; said first generally vertically oriented slot terminating in a rimmed edge portion;

each of said threshold adjustment devices includes: a threaded stud; said threaded stud includes a support head and a shoulder; said head of said threaded stud includes a lower surface and an upper surface; said head of said threaded stud being cylindrically shaped having a second width; a U-shaped in cross-section nut having a central portion, a first end and a second end; said first end of said nut includes a rectangularly shaped forward flange extending therefrom having a first height; said forward flange includes a first top portion; said second end of said nut includes a rectangularly shaped rearward

flange extending therefrom having a second height; said rearward flange includes a second top portion; said first and second heights of said forward and rearward flanges being equal; said forward and rearward flanges each having a third width; said forward and rearward flanges include side end portions; said central portion of said U-shaped in cross-section nut includes a raised crown; said shoulder of said threaded stud is engageable with said raised crown of said U-shaped in cross-section nut; said central portion and said raised crown of said nut includes interior threads thereon; said U-shaped in cross-section nut includes a first upper surface and a second lower surface; said threaded stud interengaging interior threads of said U-shaped in cross-section nut and said raised crown of said nut; said forward and rearward flanges extend upwardly partially enveloping said threaded stud; said threaded stud includes first and second adjustment receptacles;

a portion of said lower surface of said U-shaped in cross-section nut slidably interengaging said nut guide of said curvilinear delivery track in normal operation; said lower surface of said head of said threaded stud slidably interengaging said head guide of said curvilinear delivery track in normal operation; said forward flange and said rearward flange extend upwardly beyond said nut guide and into said second generally horizontal slot forming said head guide in normal operation; said side end portions of said forward and rearward flanges slidably interengage said nut guide prohibiting rotation of said U-shaped in cross-section nut;

said second width of said head of said threaded stud and said third width of said forward and rearward flanges each being larger than said first width of said vertically oriented slot of said delivery track preventing escape of said threshold adjustment

devices from said curvilinear delivery track;

said forward flanges of said threshold adjustment devices engaging said rearward flanges of respective adjacent threshold adjustment devices; threshold adjustment devices being vertically movable with respect to said adjacent threshold devices; said forward and rearward flanges of adjacent threshold adjustment devices being vertically movable with respect to each other; said vertical movement of said forward and rearward flanges limited by said first top portion of said forward flange and/or said second top portion of said rearward flange interengaging said rimmed edge portion of said first vertical slot and said head guide; said heights of said forward and said rearward flanges of adjacent threshold adjustment devices, when combined, form a combined height of said flanges; said nut guide height and said head guide height, when combined, form a combined height of said guides; and said combined height of said forward and rearward flanges exceeds said combined heights of said guides which prohibits shingling and/or jamming of said adjacent threshold devices residing in said curvilinear delivery track;

and, said vertical movement of said adjustment devices being limited by interengagement of said upper surface of said head of said threaded stud with said rimmed edge portion of said slot and said head guide which prohibits shingling and/or jamming of said adjacent threshold devices residing in said curvilinear delivery track.

13. (New) A threshold adjustment device in combination with a threshold, comprising:

said threshold adjustment device includes: a threaded stud; said threaded stud includes a support head and a shoulder; said head of said threaded stud includes a lower surface and an upper surface; said head of said threaded stud being cylindrically shaped;

a U-shaped in cross-section nut having a central portion, a first end and a second end; said first end of said nut includes a rectangularly shaped forward flange extending therefrom having a first height; said forward flange includes a first top portion; said second end of said nut includes a rectangularly shaped rearward flange extending therefrom having a second height; said rearward flange includes a second top portion; said first and second heights of said forward and rearward flanges being equal; said forward and rearward flanges include side end portions; said central portion of said U-shaped in cross-section nut includes a raised crown; said shoulder of said threaded stud is engageable with said raised crown of said U-shaped in cross-section nut; said central portion and said raised crown of said nut includes interior threads thereon; said U-shaped in cross-section nut includes a first upper surface and a second lower surface; said threaded stud interengaging interior threads of said U-shaped in cross-section nut and said raised crown of said nut; said forward and rearward flanges extend upwardly partially enveloping said threaded stud; said threaded stud includes first and second adjustment receptacles;

a threshold; said threshold includes a channel; said channel includes a first vertically oriented support wall, a second vertically oriented support wall, and an intermediate horizontally extending wall; said intermediate horizontally extending wall includes a floor-side surface and a threshold-side surface; said threshold further includes a horizontally extending threshold surface and a mating wall; said horizontally extending threshold surface further includes an aperture therein enabling access to said second adjustment receptacle of said threaded stud;

said intermediate horizontally extending wall of said channel includes a bore

therein; said threaded stud being press-fit in said bore of intermediate horizontally extending wall of said channel, and said U-shaped in cross-section nut being press-fitted to said floor-side surface of said intermediate horizontally extending wall; said forward and rearward flanges of said U-shaped in cross-section nut residing within said channel and in proximity to said first and second vertically oriented support walls; said side portions of said forward and rearward flanges engaging one of said first or second vertically oriented support walls of said channel depending on the direction of rotation of said threaded stud; said U-shaped in cross-section nut is constrained against rotation by said channel; and, said upper surface of said threaded stud is adjustable in a plurality of positions adjusting the height above ground of said horizontally extending threshold surface.